

Rock IS. Co. - CIL  
Silver / Export Packaging  
PDL ENR

# State Geological Survey Division



Natural Resources Building  
615 East Peabody Drive  
Champaign, IL 61820  
217/344-1481

Illinois Department of  
Energy and Natural Resources

August 23, 1982

Mr. Robert A. Wengrow, Regional Manager,  
Rockford Region  
Division of Land Pollution Control  
Illinois Environmental Protection Agency  
P.O. Box 915  
Rockford, IL 61105

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AUG 26 1982  
Environmental Protection Agency  
State of Illinois

Dear Mr. Wengrow:

This letter is in response to your request for information on the hydrogeology of an unauthorized hazardous waste disposal site behind Export Packaging, 8301 42nd Street, West, Rock Island, Illinois. According to your letter, this site is in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  Section 29, T. 17 N., R. 3 W., Rock Island County, Illinois. I visited the site on August 16, 1982, and found that the location given was off by a township and that the site is located in R. 3 W., in the Rock Island Industrial Park.

The site in question is in the valley of the Mississippi River, less than two miles southeast of the river. In this area, runoff and shallow groundwater flows are expected to be north-northeast. A review of the well logs on file at the State Geological Survey shows the presence of sand and gravel in some locations to the south and north at depths of about 6 - 40 feet. This material is not noted in all logs and no wells on file are finished in it. All locations in Section 29 show thick sequences of shale and/or clay and all wells are greater than 190 feet deep. The only well on file in Section 20, at 3702 47th Avenue, Rock Island, which is about one mile north of the site, has only 15 feet of shale between the sand and gravel and limestone. The water from this well comes from limestone at a depth of 49 - 100 feet.

Mike DeKezel of Export Packaging told me the solvent, 1,1,1-Trichloroethane, was poured onto the road. There was no obvious dumping spot on the road, which had quite a few weeds growing in it. Some of the gravel had a green coating of unknown origin.

I checked with one of our chemists about the properties of the solvent. He said that its low molecular weight makes it mobile but that most of the small quantity that was dumped should have evaporated. This small quantity makes us believe there is little danger of contamination of nearby water supplies from the site. Of course, this can only be verified by installing a monitoring system.

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Mr. Robert A. Wengrow  
August 23, 1982  
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If we can be of any further assistance, please let me know.

Sincerely,

*Beverly L. Herzog*

Beverly L. Herzog  
Assistant Geologist  
Hydrogeology and Geophysics Section

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